UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

MLRA REGION 11
Indianapolis, Indiana 46278

FOURTH AMENDMENT to the
NOVEMBER 1978 CLASSIFICATION AND CORRELATION
of the SOILS of MARSHALL COUNTY, INDIANA

JULY 2005

This amendment results from recertifying the SSURGO data of the Marshall County Soil Survey, the update of the NASIS database, and conforming to the Keys to Soil Taxonomy, 9th Edition, 2003.

AMENDMENT NO. 4

Pages 8, 9 and 10 Replace the 37A with the attached Indiana Official 37A for Compilation, Digitizing, and DMF, Revised June 30, 2004.

Only the following standard soil survey features will be shown on the legend and placed on the digitized soil maps:

FeatureName Description

BLO Blowout A small saucer, cup, or through-shaped hollow or depression formed by wind erosion, on a pre-existing sand deposit. Typically 0.2 to 2 acres.

DEP Depression, closed A shallow, saucer-shaped area that is slightly lower on the landscape than the surrounding area and is without a natural outlet for surface drainage. Typically 0.2 to 2 acres.

ERO Severely eroded spot An area where on the average 75 percent or more of the original surface layer has been lost because of accelerated erosion. Not used in map units with component phases that are named severely eroded, very severely eroded, or gullied. Typically 0.2 to 2 acres.

GPI Gravel pit An open excavation from which soil and underlying material have been removed and used, without crushing, as a source of sand or gravel. Typically 0.2 to 2 acres.

GUL Gully A small channel with steep sides cut by running water through which water ordinarily runs only after a rain, or after ice or snow melts. It generally is an obstacle to wheeled vehicles and is too deep to be obliterated by ordinary tillage.

LVS Levee An embankment that confines or controls water, especially one built along the banks of a river to prevent overflow of lowlands.

MAR Marsh or swamp A water-saturated, very poorly drained area, intermittently or permanently covered by water. Marsh areas are dominantly vegetated by sedges, cattails, and rushes. Swamps are dominantly vegetated by trees or shrubs. Typically 0.2 to 2 acres.

SAN Sandy spot A spot where the surface layer is loamy fine sand or coarser in areas where the surface layer of the named soils in the surrounding map unit is very fine sandy loam or finer. Typically 0.2 to 2 acres.

SLP Short, steep slope Narrow soil area that has slopes that are at least two slope classes steeper than the slope class of the surrounding map unit.

WET Wet spot A somewhat poorly drained to very poorly drained area that is at least two drainage classes wetter than the named soils in the surrounding map unit. Typically 0.2 to 2 acres.

Only the following ad hoc features will be shown on the legend and placed on the digitized soil maps:

Label Symbol ID Name Description

MRL 35 Marl spot An area where the mineral or muck surface has been eroded or removed, exposing marl at the surface.
Typically 0.2 to 2 acres.

MUC 30 Muck spot An area within a poorly drained or very poorly drained soil that has a histic epipedon or where the surface is organic. The spot symbol is used only in map units consisting of mineral soil. Typically 0.2 to 2 acres.

UWT 44 Unclassified water Small, natural or man-made lake, pond, or pit that contains water, of an unspecified nature, most of the
year. Typically 0.2 to 2 acres.

Pages 14 and 15 Replace the Classification of the Soils table with the following:

Marshall County, Indiana
Classification of the Soils

(An asterisk in the first column indicates a taxadjunct to the series.)

Soil name	Family or higher taxonomic class

Adrian	Sandy or sandy-skeletal, mixed, euic, mesic Terric Haplosaprists
Aubbeenaubbee	Fine-loamy, mixed, active, mesic Aeric Epiaqualfs
Brady	Coarse-loamy, mixed, active, mesic Aquollic Hapludalfs
*Brems	Mixed, mesic Oxyaquic Udipsamments
Bronson	Coarse-loamy, mixed, active, mesic Aquic Hapludalfs
Brookston	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Chelsea	Mixed, mesic Lamellic Udipsamments
Crosier	Fine-loamy, mixed, active, mesic Aeric Epiaqualfs
Edwards	Marly, euic, mesic Limnic Haplosaprists
Elston	Coarse-loamy, mixed, active, mesic Typic Argiudolls
Fox	Fine-loamy over sandy or sandy-skeletal, mixed, superactive, mesic Typic Hapludalfs
Gilford	Coarse-loamy, mixed, superactive, mesic Typic Endoaquolls
Hillsdale	Coarse-loamy, mixed, active, mesic Typic Hapludalfs
Houghton	Euic, mesic Typic Haplosaprists
Linkville	Fine-loamy, mixed, active, mesic Typic Argiudolls
Martinsville	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Metea	Loamy, mixed, active, mesic Arenic Hapludalfs
Milford	Fine, mixed, superactive, mesic Typic Endoaquolls
Newton	Sandy, mixed, mesic Typic Humaquepts
Oshtemo	Coarse-loamy, mixed, active, mesic Typic Hapludalfs
Owosso	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Palms	Loamy, mixed, euic, mesic Terric Haplosaprists
Pinhook	Coarse-loamy, mixed, superactive, mesic Mollic Endoaqualfs
Plainfield	Mixed, mesic Typic Udipsamments
Rensselaer	Fine-loamy, mixed, superactive, mesic Typic Argiaquolls
Riddles	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Shipshe	Loamy-skeletal, mixed, superactive, mesic Typic Argiudolls
Stonelick	Coarse-loamy, mixed, superactive, calcareous, mesic Typic Udifluvents
*Troxel	Fine-loamy, mixed, superactive, mesic Pachic Argiudolls
Tyner	Mixed, mesic Typic Udipsamments
Wallkill	Fine-loamy, mixed, superactive, nonacid, mesic Fluvaquentic Humaquepts
Washtenaw	Fine-loamy, mixed, active, nonacid, mesic Aeric Fluvaquents
Wawasee	Fine-loamy, mixed, active, mesic Typic Hapludalfs
Whitaker	Fine-loamy, mixed, active, mesic Aeric Endoaqualfs

Approval Signatures and Date

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TRAVIS NEELY State Soil Scientist/MLRA Leader Indianapolis, Indiana	Date	JANE E. HARDISTY State Conservationist Indianapolis, Indiana	Date